

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/19647

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 061 365 A (THOMPSON JONATHAN A ET AL) 9 May 2000 (2000-05-09) column 12, line 31-40 column 18, line 44-55	1,7,9, 14,21, 27,32, 40,46, 50,56,61
P,X	US 2002/071397 A1 (KESHAVACHAR BHAKTHA R) 13 June 2002 (2002-06-13) cited in the application page 2, left-hand column, line 47 -page 3, right-hand column, line 21	1-64



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

16 May 2003

Date of mailing of the international search report

04/07/2003

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Information on patent family members

International Application No

PCT/US 02/19647

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6061365	A	09-05-2000	GB 2301752 A 11-12-1996
			AU 6033096 A 18-12-1996
			AU 6034896 A 18-12-1996
			AU 6037796 A 18-12-1996
			BR 9609300 A 15-06-1999
			CN 1192831 A 09-09-1998
			DE 69609867 D1 21-09-2000
			DE 69623013 D1 19-09-2002
			DE 69623013 T2 12-12-2002
			EP 0872026 A1 21-10-1998
			EP 0830775 A1 25-03-1998
			ES 2150129 T3 16-11-2000
			JP 11509383 T 17-08-1999
			WO 9638963 A1 05-12-1996
			WO 9638930 A1 05-12-1996
			WO 9638967 A1 05-12-1996
			US 6185197 B1 06-02-2001
			US 6175560 B1 16-01-2001
			ZA 9604148 A 03-12-1996
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US 2002071397	A1	13-06-2002	NONE
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